

# Work Order ID 50742

July 21, 2009 12:43:38 PM



Page 1

Item ID: D3684-049

Accept



Setup Start



Revision ID: C

Stop



Item Name: AFT LEG ASS'Y

Start Date: 7/15/09 Start Qty: 5.00



Cust Item ID:

Required Date: 7/15/09 Req'd Qty: 5.00



Customer:

Reference:

Approvals:

Process Plan:

*[Handwritten signature]*

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D3684

Rev C

100

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

*SAD 09-08-12*

110

Small Fab

0.00



Small Fab

Memo

0.00

Small Fab

1-Use anti-seize compound Tectly 502c Class I, Mil-PRF-16173E or equivalent on thread and assemble as per dwg D3684 □ 2-Assemble D3693-1 & D3691-1 Using Sikaflex -241/-291 between mating surfaces as per Dwg D3684 □ \*\*\*Ensure holes for AN3C Bolts are free of

*SAD 09-08-12*

*(5)*

120

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

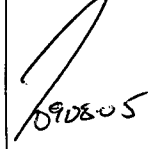
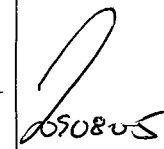
0.00

Quality Control

*2) SAD 09-08-12*

*(45)*

*6*

W/O: 50742		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
09-08-05	110	add the NAS509-12C to the I.P.P per dwg <u>B#1110844</u>	MS	09/08/24		 090805	 090805

Part No: D3684-049 PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Work Order ID 50742

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Page 2

Item ID: D3684-049

Accept



Setup Start



Revision ID: C

Stop



Item Name: AFT LEG ASS'Y

Start Date: 7/15/09 Start Qty: 5.00



Cust Item ID:

Required Date: 7/15/09 Req'd Qty: 5.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130

Identify as per dwg & Stock Location: *EA*

0.00



Packaging

Memo

0.00

Packaging

*SB*

*09/08/12*

*5*

140

QC21- Final Inspection, Work Order Release

0.00



QC

Memo

0.00

Quality Control

*MF 09-08-12*

*MF 09-08-12*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

July 21, 2009 12:43:38 PM

Work Order ID: 50742

Parent Item: D3684-049RevC

Parent Item Name: AFT LEG ASS'Y


Comments:

Start Date: 7/15/09

Required Date: 7/15/09

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN3C12A  Bolts		Purchased	No			110	Each	135.0000	10.0000			

SAN 09-08-12

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	135	
106993	7	
110155	2	
110552	4	
110584	72	
111916	50	

10

D3688-3RevB

Manufactured No



STUD

110 Each 13.0000 5.0000

SAN 09-08-12

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	13	
44824	6	
45671	7	

5

D3689-1RevB

Manufactured No



SLEEVE

110 Each 19.0000 5.0000

SAN 09-08-12

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	19	
46051	19	

5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Page 2

July 21, 2009 12:43:38 PM

Work Order ID: 50742

Parent Item: D3684-049RevC

Parent Item Name: AFT LEG ASS'Y

Comments:

Start Date: 7/15/09

Required Date: 7/15/09

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3691-1RevU/R		Manufactured	No			110	Each	17.0000	5.0000			
STUD												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse	8 50721	
ST	17	
46052	17	

③  
2 SB 09/08/12

D3692-1RevB		Manufactured	No			110	Each	106.0000	20.0000			
SPACER												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	106	
44827	68	
45672	38	

20

D3693-1RevU/R		Manufactured	No			110	Each	5.0000	5.0000			
Rod End Bearing												

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	5	
45723	5	

B50733

④  
⑤  
⑤  
Ep 09-08-05

July 21, 2009 12:43:38 PM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# Picklist Print

July 21, 2009 12:43:38 PM

Work Order ID: 50742

Parent Item: D3684-049RevC

Parent Item Name: AFT LEG ASS'Y

Comments:

Start Date: 7/15/09

Required Date: 7/15/09

Start Qty: 5.00

Required Qty: 5.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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MS21043-3		Purchased	No			110	Each	590.0000	10.0000			
-----------	--	-----------	----	--	--	-----	------	----------	---------	--	--	--



Nut

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	80	
103691	80	
Main Warehouse		
ST	510	
111819	210	
112243	300	

10 SB 09/08/12

NAS509L12C		Purchased	No			110	Each	35.0000	5.0000			
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Nuts

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	35	
106993	5	
110844	30	

5 SB 09/08/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

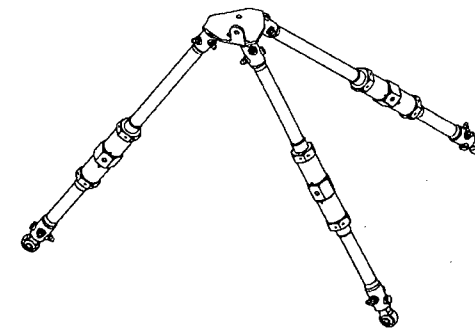
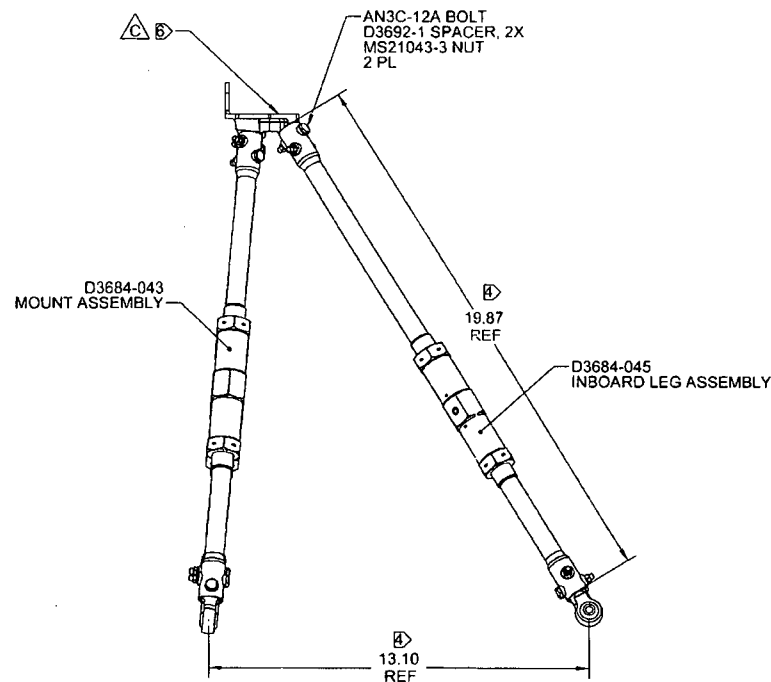
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

ITEM	QTY -041	PART NUMBER	DESCRIPTION
1	X	D3684-041	TRIPOD MOUNT ASSEMBLY
2	1	D3684-043	MOUNT ASSEMBLY
3	1	D3684-045	INBOARD LEG ASSEMBLY
4	4	D3692-1	SPACER
5	2	AN3C-12A	BOLT
6	2	MS21043-3	NUT



**D3684-041 TRIPOD MOUNT ASSY** ▽ △

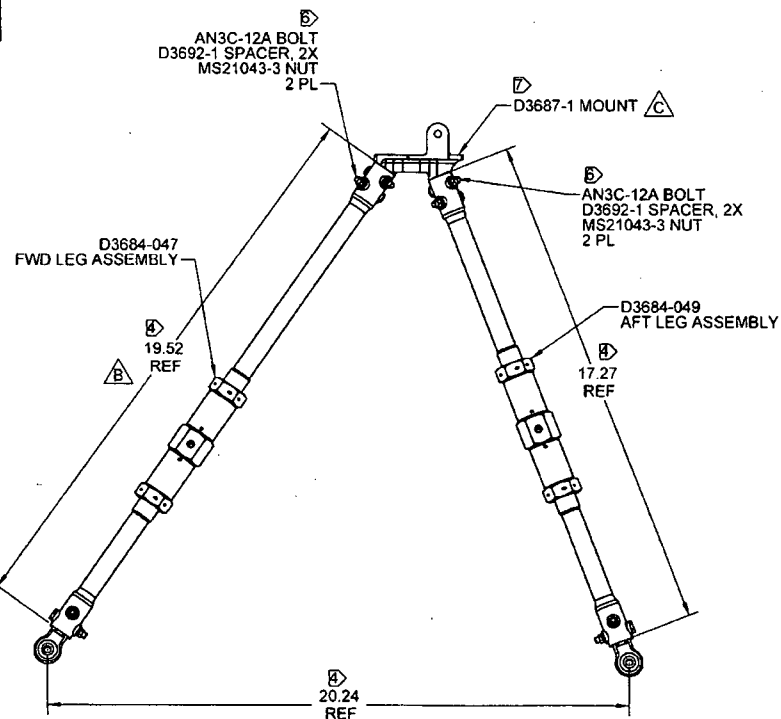
**NOTES:**

- 1) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) UNITS: INCHES UNLESS OTHERWISE NOTED
- 3) IDENTIFICATION: NONE
- 4) DIMENSIONS SHOWN ARE WHEN D3688-1/-3/-5 & D3691-1 STUDS ARE FULLY THREADED INTO D3689-1 SLEEVES
- 5) WEIGHT: 9.9 lbs
- 6) ASSEMBLE D3684-045 WITH D3684-043 USING SIKAFLEX-2411-291 OR PROSEAL 890 OR MIL-S-8802 CLASS 'B2' SEALANT BETWEEN MATING SURFACES. ENSURE HOLES FOR AN3C BOLTS ARE CLEAR OF SEALANT
- 7) ASSEMBLY SHOWN FOR REF ONLY, -041 IS PACKAGED UNASSEMBLED

**RELEASED**  
08/12/12

C	NOW ASSEMBLED USING SEALANT (ZN A8-1, D6-1, A8-2, D4-2, A8-3, B4-3, A8-4, B4-4, A8-5, B5-5); ASSEMBLY NOW SHOWN FOR REF ONLY (ZN A8-1, A4-1)	RF	08.12.15
B	19.52 WAS 19.50 (ZN C6-2); 9.20 WAS 9.70 (ZN C6-2); 20.74 WAS 21.24 (ZN C5-4); 6.95 WAS 6.88 (ZMS-5); MODIFIED PER PROTOTYPE INSTALLATION; REFORMATTED TO CURRENT DWG STANDARDS	RF	08.11.24
A	NEW ISSUE	RF	08.05.22
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3684	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		TRIPOD MOUNT ASSY	NTS
DATE	08.12.15	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD  THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR TRANSMITTED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

ITEM	QTY -043	PART NUMBER	DESCRIPTION
1	X	D3684-043	MOUNT ASSEMBLY
2	1	D3687-1	MOUNT
3	1	D3684-047	FWD LEG ASSY
4	1	D3684-049	AFT LEG ASSY
5	8	D3692-1	SPACER
6	4	AN3C-12A	BOLT
7	4	MS21043-3	NUT



**D3684-043 MOUNT ASSEMBLY**

**NOTES:**

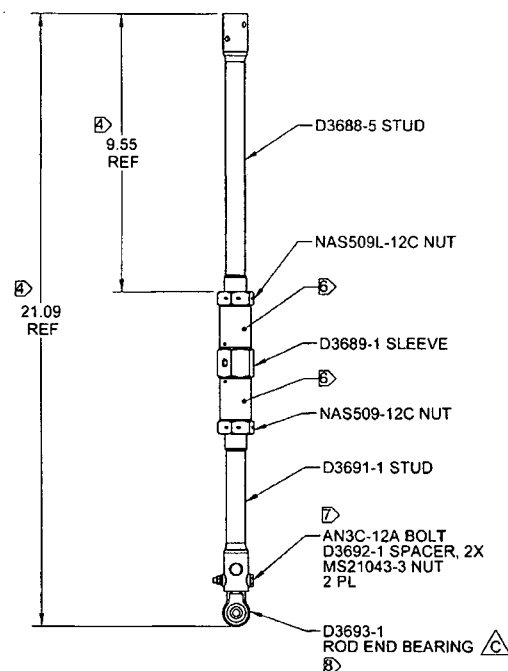
- 1) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) UNITS: INCHES UNLESS OTHERWISE NOTED
- 3) IDENTIFICATION: IDENTIFY WITH DART ASSEMBLY P/N D3684-043 USING FINE POINT PERMANENT INK MARKER
- 4) DIMENSIONS SHOWN ARE WHEN D3688-1/3 & D3691-1 STUDS ARE FULLY THREADED INTO D3689-1 SLEEVES
- 5) WEIGHT: 6.6 lbs
- 6) TORQUE FASTENERS TO 20-25 in-lbs
- 7) ASSEMBLE D3684-047 & D3684-049 WITH D3687-1 USING SIKAFLEX-241/291 OR PROSEAL 890 OR MIL-S-8802 CLASS 'B2' SEALANT BETWEEN MATING SURFACES. ENSURE HOLES FOR AN3C BOLTS ARE CLEAR OF SEALANT

DESIGN	RF	<b>DART AEROSPACE LTD</b>	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. C
MFG. APPR.	RF	D3684	SHEET 2 OF 5
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	TRIPOD MOUNT ASSY	NTS
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**RELEASED**

W10 50742

ITEM	QTY -045	PART NUMBER	DESCRIPTION
1	X	D3684-045	INBOARD LEG ASSEMBLY
2	1	D3688-5	STUD
3	1	D3689-1	SLEEVE
4	1	D3691-1	STUD
5	4	D3692-1	SPACER
6	1	D3693-1	ROD END BEARING
7	2	AN3C-12A	BOLT
8	2	MS21043-3	NUT
9	1	NAS509L-12C	NUT
10	1	NAS509-12C	NUT



W/6 50742

# **D3684-045 INBOARD LEG ASSEMBLY**

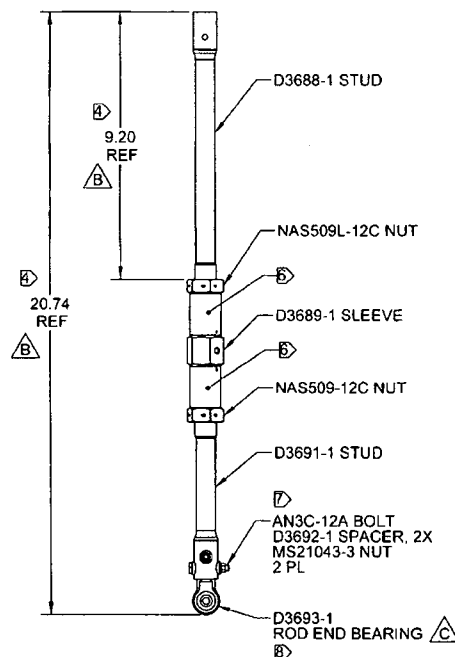
**RELEASED**  
09/01/2015

## **NOTES:**

- 1) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) UNITS: INCHES UNLESS OTHERWISE NOTED
- 3) IDENTIFICATION: IDENTIFY WITH DART ASSEMBLY P/N D3684-045 USING FINE POINT PERMANENT INK MARKER
- 4) DIMENSION SHOWN IS WHEN D3688-5 & D3691-1 STUDS ARE FULLY THREADED INTO D3689-1 SLEEVE
- 5) WEIGHT: 3.1 lbs
- 6) USE TECTYL 502C CLASS I, MIL-PRF-16173E GRADE 2 OR EQUIVALENT ANTI-SEIZE COMPOUND ON THREAD
- 7) TORQUE FASTENERS TO 20-25 in-lbs
- 8) ASSEMBLE D3693-1 WITH D3691-1 USING SIKAFLEX-241/-291 OR PROSEAL 890 OR MIL-S-8802 CLASS 'B2' SEALANT BETWEEN MATING SURFACES. ENSURE HOLES FOR AN3C BOLTS ARE CLEAR OF SEALANT

DESIGN	RF	<b>DART AEROSPACE LTD</b>	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3684	SHEET 3 OF 5
APPROVED		TITLE	SCALE
DE APPR.		TRIPOD MOUNT ASSY	NTS
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ITEM	QTY .047	PART NUMBER	DESCRIPTION
1	X	D3684-047	FWD LEG ASSEMBLY
2	1	D3688-1	STUD
3	1	D3689-1	SLEEVE
4	1	D3691-1	STUD
5	4	D3692-1	SPACER
6	1	D3693-1	ROD END BEARING
7	2	AN3C-12A	BOLT
8	2	MS21043-3	NUT
9	1	NAS509L-12C	NUT
10	1	NAS509-12C	NUT



**D3684-047 FWD LEG ASSEMBLY**

W/650742

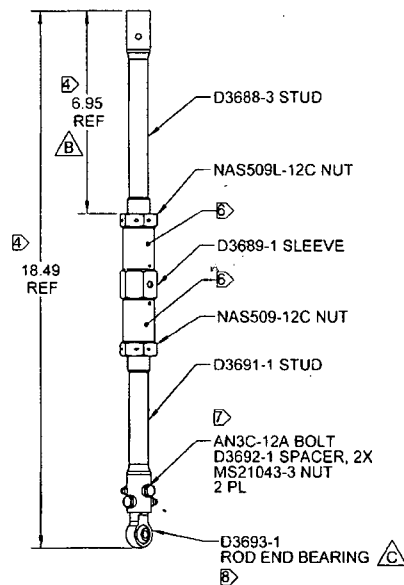
**RELEASED**  
09/01/12

**NOTES:**

- 1) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) UNITS: INCHES UNLESS OTHERWISE NOTED
- 3) IDENTIFICATION: NONE
- 4) DIMENSION SHOWN IS WHEN D3688-1 & D3691-1 STUDS ARE FULLY THREADED INTO D3689-1 SLEEVE
- 5) WEIGHT: 3.10 lbs
- 6) USE TECTYL 502C CLASS I, MIL-PRF-16173E GRADE 2 OR EQUIVALENT ANTI-SEIZE COMPOUND ON THREAD
- 7) TORQUE FASTENERS TO 20-25 in-lbs
- 8) ASSEMBLE D3693-1 WITH D3691-1 USING SIKAFLEX-241/291 OR PROSEAL 890 OR MIL-S-8802 CLASS 'B2' SEALANT BETWEEN MATING SURFACES. ENSURE HOLES FOR AN3C BOLTS ARE CLEAR OF SEALANT

DESIGN	RF	<b>DART AEROSPACE LTD</b>	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		D3684	SHEET 4 OF 5
APPROVED		TITLE	SCALE
DE APPR.		TRIPOD MOUNT ASSY	NTS
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ITEM	QTY -049	PART NUMBER	DESCRIPTION
1	X	D3684-049	AFT LEG ASSEMBLY
2	1	D3688-3	STUD
3	1	D3689-1	SLEEVE
4	1	D3691-1	STUD
5	4	D3692-1	SPACER
6	1	D3693-1	ROD END BEARING
7	2	AN3C-12A	BOLT
8	2	MS21043-3	NUT
9	1	NAS509L-12C	NUT
10	1	NAS509-12C	NUT



**D3684-049 AFT LEG ASSEMBLY**

W10 50742

**RELEASED**  
09/01/12

**NOTES:**

- 1) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) UNITS: INCHES UNLESS OTHERWISE NOTED
- 3) IDENTIFICATION: NONE
- 4) DIMENSION SHOWN IS WHEN D3688-3 & D3691-1 STUDS ARE FULLY THREADED INTO D3689-1 SLEEVE
- 5) WEIGHT: 2.88 lbs
- 6) USE TECTYL 502C CLASS 1, MIL-PRF-16173E GRADE 2 OR EQUIVALENT ANTI-SEIZE COMPOUND ON THREAD
- 7) TORQUE FASTENERS TO 20-25 in-lbs
- 8) ASSEMBLE D3693-1 WITH D3691-1 USING SIKAFLEX-241/291 OR PROSEAL 890 OR MIL-S-8802 CLASS 'B2' SEALANT BETWEEN MATING SURFACES. ENSURE HOLES FOR AN3C BOLTS ARE CLEAR OF SEALANT

DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED		DRAWING NO. <b>D3684</b>	REV. C
MFG. APPR.			SHEET 5 OF 5
APPROVED		TITLE <b>TRIPOD MOUNT ASSY</b>	SCALE NTS
DE APPR.		COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS UNCLASSIFIED AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OF COMMERCE OR TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	
DATE	08.12.15		

